

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2001304280
PUBLICATION DATE : 31-10-01

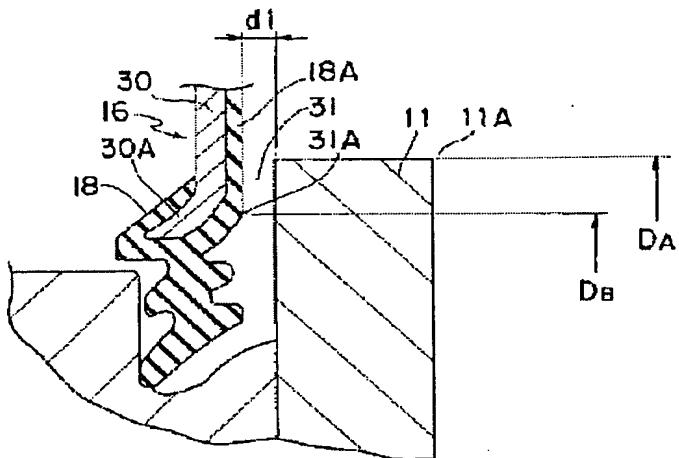
APPLICATION DATE : 18-04-00
APPLICATION NUMBER : 2000116513

APPLICANT : KOYO SEIKO CO LTD;

INVENTOR : NAKAGAWA YOSHITAKA;

INT.CL. : F16C 33/80 F16C 33/78

TITLE : SEALING STRUCTURE OF ROLLING BEARING



ABSTRACT : PROBLEM TO BE SOLVED: To provide a sealing structure of a rolling bearing capable of improving water resistance of the bearing by improving a bearing mounting structure.

SOLUTION: Ring dents are formed on both ends in the axial direction of an outer ring 7 of the rolling bearing 6, and sealing members 15, 16 are fitted and fixed in these ring dents. Seal lips 17, 18 of these sealing members 15, 16 make contact with ring dents formed on both ends in the axial direction of an inner ring 8 to slide. A covered part 18A of the seal lip 18 to cover the outside in the axial direction of a core bar 30 forms a narrow passage 31 facing against the axial direction against a bearing collar 11. The narrow passage 31 is set so that its clearance d_1 comes to be in a range of 0.05-0.5 mm. Additionally, an area S_1 where the covered part 18A and the bearing collar 11 face against each other is set to be 100 mm² on the narrow passage 31.

COPYRIGHT: (C)2001,JPO